

Inventors: Michael C. Sefcik
Robert F. Veldman
Docket No.: 25434-00077

ABSTRACT

CLUTCH HOUSING WITH MULTI-FUNCTION HYDRAULIC SLEEVE

[0027] Clutches require fluid passages to be contained therein to lubricate the moving parts therein. Current clutch designs requiring fluid passages to be formed through the spline provides numerous difficulties. The present clutch design and method of assembling the clutch comprises a clutch housing having a predetermined shape, a piston positioned within the clutch housing, a sleeve having a predetermined shape substantially conforming to the predetermined shape of the clutch housing, the sleeve being positioned within the clutch housing forming a fluid passageway between the clutch housing and the sleeve and forming a piston reactive cavity between the clutch housing, the piston, and the sleeve.